

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD030420\
 Data File : VD065413.D
 Acq On : 04 Mar 2020 16:05
 Operator : VA/SY
 Sample : VSTDICV050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 ICSV030420

Manual Integrations
 APPROVED

MMDadoda
 3/5/2020 1:39:05 PM

Quant Time: Mar 05 01:34:36 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030420S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 05 01:22:07 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	506286	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	736996	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	656290	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	316202	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	218713	50.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.72%	
35) Dibromofluoromethane	7.92	113	232176	50.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.88%	
50) Toluene-d8	10.34	98	911686	52.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.28%	
62) 4-Bromofluorobenzene	12.64	95	285971	52.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.96%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	192034	44.134	ug/l	98
3) Chloromethane	2.21	50	235381	44.807	ug/l	100
4) Vinyl Chloride	2.35	62	240755	46.464	ug/l	95
5) Bromomethane	2.77	94	149167	51.523	ug/l	98
6) Chloroethane	2.93	64	148384	46.758	ug/l	97
7) Trichlorofluoromethane	3.27	101	353569	46.310	ug/l	100
8) Diethyl Ether	3.71	74	107423	47.313	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.09	101	225887	45.938	ug/l	99
10) Methyl Iodide	4.29	142	271399	53.127	ug/l	98
11) Tert butyl alcohol	5.24	59	59173	237.540	ug/l	98
12) 1,1-Dichloroethene	4.06	96	220440	46.817	ug/l	93
13) Acrolein	3.92	56	97826	227.705	ug/l	99
14) Allyl chloride	4.71	41	351576	48.606	ug/l	100
15) Acrylonitrile	5.43	53	235640	238.561	ug/l	99
16) Acetone	4.16	43	195135	222.170	ug/l	97
17) Carbon Disulfide	4.40	76	745620	47.551	ug/l	98
18) Methyl Acetate	4.72	43	105443	47.327	ug/l	98
19) Methyl tert-butyl Ether	5.48	73	454786	50.226	ug/l	96
20) Methylene Chloride	4.96	84	245891	51.668	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	255856	48.848	ug/l	98
22) Diisopropyl ether	6.37	45	683874	50.861	ug/l	98
23) Vinyl Acetate	6.31	43	1936308	259.355	ug/l	99
24) 1,1-Dichloroethane	6.27	63	412272	47.803	ug/l	98
25) 2-Butanone	7.22	43	280220	233.791	ug/l	97
26) 2,2-Dichloropropane	7.21	77	357174	47.391	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	267150	49.899	ug/l	99
28) Bromochloromethane	7.55	49	172069	49.868	ug/l	99
29) Tetrahydrofuran	7.57	42	186678	243.885	ug/l	98
30) Chloroform	7.71	83	419495	48.664	ug/l	97
31) Cyclohexane	7.99	56	394978	45.801	ug/l	99
32) 1,1,1-Trichloroethane	7.90	97	381911	47.941	ug/l	100
36) 1,1-Dichloropropene	8.11	75	339527	48.060	ug/l	99
37) Ethyl Acetate	7.30	43	136350	49.935	ug/l	98
38) Carbon Tetrachloride	8.10	117	344529	47.030	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	416258	48.785	ug/l	97
40) Benzene	8.35	78	976296	49.427	ug/l	100
41) Methacrylonitrile	7.53	41	67895	47.017	ug/l	92
42) 1,2-Dichloroethane	8.43	62	252084	48.874	ug/l	99
43) Isopropyl Acetate	8.46	43	242256	48.049	ug/l	99
44) Trichloroethene	9.11	130	266838	47.836	ug/l	97
45) 1,2-Dichloropropane	9.39	63	239312	50.017	ug/l	94
46) Dibromomethane	9.48	93	120366	48.499	ug/l	98
47) Bromodichloromethane	9.67	83	318657	49.354	ug/l	97
48) Methyl methacrylate	9.46	41	117419	49.510	ug/l	100
49) 1,4-Dioxane	9.47	88	26803	944.153	ug/l	96
51) 4-Methyl-2-Pentanone	10.23	43	628301	247.640	ug/l	100
52) Toluene	10.41	92	621285	49.929	ug/l	100
53) t-1,3-Dichloropropene	10.63	75	299545	49.645	ug/l	97
54) cis-1,3-Dichloropropene	10.09	75	371318	50.842	ug/l	97
55) 1,1,2-Trichloroethane	10.80	97	168485	47.932	ug/l	98
56) Ethyl methacrylate	10.67	69	204963	51.723	ug/l	98
57) 1,3-Dichloropropane	10.95	76	291421	48.999	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	287136	231.996	ug/l	99
59) 2-Hexanone	10.99	43	432114	246.034	ug/l	99
60) Dibromochloromethane	11.14	129	217617	48.297	ug/l	98
61) 1,2-Dibromoethane	11.25	107	163166	48.665	ug/l	99
64) Tetrachloroethene	10.88	164	229949	48.897	ug/l	98
65) Chlorobenzene	11.67	112	643773	49.569	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.75	131	239075	50.545	ug/l	97
67) Ethyl Benzene	11.75	91	1146329	51.083	ug/l	99
68) m/p-Xylenes	11.86	106	884558	102.228	ug/l	99
69) o-Xylene	12.18	106	399566	52.496	ug/l	99
70) Styrene	12.20	104	706973	52.777	ug/l	100
71) Bromoform	12.37	173	129890	48.889	ug/l #	99
73) Isopropylbenzene	12.48	105	1087238	52.276	ug/l	100
74) N-amyl acetate	12.30	43	219389	51.525	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.74	83	176090	48.167	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	137967m	55.295	ug/l	
77) Bromobenzene	12.77	156	259931	50.303	ug/l	99
78) n-propylbenzene	12.83	91	1288783	52.226	ug/l	99
79) 2-Chlorotoluene	12.91	91	715687	51.460	ug/l	98
80) 1,3,5-Trimethylbenzene	12.97	105	879494	51.437	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	58807	49.738	ug/l	99
82) 4-Chlorotoluene	13.01	91	743032	50.842	ug/l	100
83) tert-Butylbenzene	13.23	119	754155	52.135	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	879462	52.181	ug/l	99
85) sec-Butylbenzene	13.41	105	1064646	51.561	ug/l	100
86) p-Isopropyltoluene	13.53	119	972162	51.597	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	491993	49.524	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	483406	48.917	ug/l	100
89) n-Butylbenzene	13.86	91	884946	50.804	ug/l	99
90) Hexachloroethane	14.12	117	190412	49.074	ug/l	100
91) 1,2-Dichlorobenzene	13.90	146	422657	49.994	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	25279	45.403	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	280188	48.899	ug/l	99
94) Hexachlorobutadiene	15.28	225	178341	47.368	ug/l	99
95) Naphthalene	15.41	128	473200	46.658	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	247250	49.935	ug/l	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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